

# Taku Wakahara

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

980  
citations

430874

18  
h-index

454955

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhomogeneous architectural changes of the quadriceps femoris induced by resistance training. <i>European Journal of Applied Physiology</i> , 2013, 113, 2691-2703.	2.5	121
2	Nonuniform Muscle Hypertrophy. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2158-2165.	0.4	112
3	Association between regional differences in muscle activation in one session of resistance exercise and in muscle hypertrophy after resistance training. <i>European Journal of Applied Physiology</i> , 2012, 112, 1569-1576.	2.5	89
4	Applicability of ultrasound muscle thickness measurements for predicting fat-free mass in elderly population. <i>Journal of Nutrition, Health and Aging</i> , 2014, 18, 579-585.	3.3	64
5	<i>In vivo</i> measurement of human rectus femoris architecture by ultrasonography: validity and applicability. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 267-273.	1.2	50
6	Validity of ultrasound muscle thickness measurements for predicting leg skeletal muscle mass in healthy Japanese middle-aged and older individuals. <i>Journal of Physiological Anthropology</i> , 2013, 32, 12.	2.6	43
7	Unique muscularity in cyclists' thigh and trunk: A cross-sectional and longitudinal study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 782-793.	2.9	31
8	Task-Dependent Inhomogeneous Muscle Activities within the Bi-Articular Human Rectus Femoris Muscle. <i>PLoS ONE</i> , 2012, 7, e34269.	2.5	31
9	Relationships Between Muscle Strength and Indices of Muscle Cross-Sectional Area Determined During Maximal Voluntary Contraction in Middle-Aged and Elderly Individuals. <i>Journal of Strength and Conditioning Research</i> , 2009, 23, 1258-1262.	2.1	30
10	Training-induced changes in architecture of human skeletal muscles: Current evidence and unresolved issues. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2016, 5, 37-46.	0.3	30
11	Inter- and intramuscular differences in training-induced hypertrophy of the quadriceps femoris: association with muscle activation during the first training session. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 405-412.	1.2	29
12	Fascicle behavior of medial gastrocnemius muscle in extended and flexed knee positions. <i>Journal of Biomechanics</i> , 2007, 40, 2291-2298.	2.1	26
13	Effects of Muscle Cooling on the Stiffness of the Human Gastrocnemius Muscle <i>in vivo</i> . <i>Cells Tissues Organs</i> , 2008, 187, 152-160.	2.3	25
14	Increase in vastus lateralis aponeurosis width induced by resistance training: implications for a hypertrophic model of pennate muscle. <i>European Journal of Applied Physiology</i> , 2015, 115, 309-316.	2.5	25
15	Effects of knee joint angle on the fascicle behavior of the gastrocnemius muscle during eccentric plantar flexions. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 980-987.	1.7	24
16	Non-uniform muscle oxygenation despite uniform neuromuscular activity within the vastus lateralis during fatiguing heavy resistance exercise. <i>Clinical Physiology and Functional Imaging</i> , 2013, 33, 463-469.	1.2	23
17	Relationship Between Muscle Architecture and Joint Performance During Concentric Contractions in Humans. <i>Journal of Applied Biomechanics</i> , 2013, 29, 405-412.	0.8	22
18	Development of an equation to predict muscle volume of elbow flexors for men and women with a wide range of age. <i>European Journal of Applied Physiology</i> , 2010, 108, 689-694.	2.5	21

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19	Variability of limb muscle size in young men. <i>American Journal of Human Biology</i> , 2010, 22, 55-59.	1.6	20
20	Validity of muscle thickness-based prediction equation for quadriceps femoris volume in middle-aged and older men and women. <i>European Journal of Applied Physiology</i> , 2016, 116, 2125-2133.	2.5	19
21	Influence of muscle anatomical cross-sectional area on the moment arm length of the triceps brachii muscle at the elbow joint. <i>Journal of Biomechanics</i> , 2010, 43, 2844-2847.	2.1	18
22	Effect of hip joint angle on concentric knee extension torque. <i>Journal of Electromyography and Kinesiology</i> , 2017, 37, 141-146.	1.7	17
23	Further Potentiation of Dynamic Muscle Strength after Resistance Training. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1323-1330.	0.4	14
24	Influence of Muscle Hypertrophy on the Moment Arm of the Triceps Brachii Muscle. <i>Journal of Applied Biomechanics</i> , 2015, 31, 111-116.	0.8	11
25	Association between trunk and gluteus muscle size and long jump performance. <i>PLoS ONE</i> , 2019, 14, e0225413.	2.5	10
26	Effects of neuromuscular electrical stimulation training on muscle size in collegiate track and field athletes. <i>PLoS ONE</i> , 2019, 14, e0224881.	2.5	9
27	Effect of knee alignment on the quadriceps femoris muscularity: Cross-sectional comparison of trained versus untrained individuals in both sexes. <i>PLoS ONE</i> , 2017, 12, e0183148.	2.5	9
28	Muscle size of individual hip extensors in sprint runners: Its relation to spatiotemporal variables and sprint velocity during maximal velocity sprinting. <i>PLoS ONE</i> , 2021, 16, e0249670.	2.5	8
29	Time-series changes in intramuscular coherence associated with split-belt treadmill adaptation in humans. <i>Experimental Brain Research</i> , 2021, 239, 2127-2139.	1.5	8
30	Acute changes in passive stiffness of the individual hamstring muscles induced by resistance exercise: effects of contraction mode and range of motion. <i>European Journal of Applied Physiology</i> , 2022, 122, 2071-2083.	2.5	8
31	Effects of Passive Ankle and Knee Joint Motions on the Length of Fascicle and Tendon of the Medial Gastrocnemius Muscle. <i>International Journal of Sport and Health Science</i> , 2005, 3, 75-82.	0.2	7
32	Effect of Hip Joint Position on Electromyographic Activity of the Individual Hamstring Muscles During Stiff-Leg Deadlift. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, S38-S43.	2.1	6
33	DEVELOPMENT OF AN EQUATION FOR PREDICTING BODY SURFACE AREA BASED ON THREE-DIMENSIONAL PHOTONIC IMAGE SCANNING. <i>Japanese Journal of Physical Fitness and Sports Medicine</i> , 2009, 58, 463-474.	0.0	6
34	Passive knee movement-induced modulation of the soleus H-reflex and alteration in the fascicle length of the medial gastrocnemius muscle in humans. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 513-522.	1.7	5
35	Effect of countermovement on elbow joint extension power-load characteristics. <i>Journal of Sports Sciences</i> , 2010, 28, 1535-1542.	2.0	4
36	Nonuniform Muscle Hypertrophy Along the Length Induced by Resistance Training. , 2015, , 157-173.		2

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37	Effects of growth on muscle architecture of knee extensors. <i>Journal of Anatomy</i> , 2022, 241, 683-691.	1.5	2
38	Gluteus and posterior thigh muscle sizes in sprinters: Their distributions along muscle length. <i>European Journal of Sport Science</i> , 2022, 22, 799-807.	2.7	1
39	Relation Between Iliopsoas Cross-sectional Area and Kicked Ball Speed in Soccer Players. <i>International Journal of Sports Medicine</i> , 2018, 39, 468-472.	1.7	0
40	Elastic Properties of Human in Vivo Triceps Brachii Tendon. <i>International Journal of Sport and Health Science</i> , 2008, 6, 162-168.	0.2	0